



Duration
2-3M

5+
YEARS
EXPERIENCE
EXPERTISE

Now a days many companies are moving their Applications and infrastructure to the Cloud environment because With cloud computing, you don't need to make large investments in hardware and spend a lot of time on the managing that hardware. Instead, you can provision exactly the right type and size of computing resources you need to power your newest bright idea or operate your IT department. You can access as many resources as you need, almost instantly, and only pay for what you use.

100%
Placement
Assistance

Course Objectives

Recognize terminology and concepts as they relate to the AWS.

PLATFORM :

- Navigate the AWS Management Console
- Understand the security measures AWS provides
- Differentiate AWS Storage options and create an Amazon Simple Storage Service (S3) bucket.
- Recognize AWS Compute and Networking options and use Amazon Elastic Compute Cloud (EC2) and Amazon Elastic Block Storage (EBS)
- Describe Managed Services and Database options with Amazon Relational Database Service (RDS).

SANBAIS TECHNICAL SERVICES Course Content

Introduction to Cloud Computing

- History
- Client Server Computing Concepts
- Challenges with Distributed Computing
- Introduction to Cloud Computing
- Why Cloud Computing?
- Benefits of Cloud Computing
- Cloud Infrastructure and Cloud Advantage
- Examples of Cloud Advantage
- Cloud Services and use cases : IaaS,Paas,SaaS

Amazon Web Services Category and List(AWS)

- Introduction to the AWS products
 - ▶ Introduction to the AWS Management Console
 - ▶ Regions and Availability Zones - How to choose the right one.
- Compute With AWS
 - ▶ Elastic Compute Cloud(EC2)
 - ▶ Elastic Container Service
 - ▶ AWS Lambda
- Networking With AWS
 - ▶ Virtual Private Cloud(VPC)
 - ▶ Elastic Load Balancer
 - ▶ Amazon CloudFront
 - ▶ Amazon Route 53
- Databases with AWS
 - ▶ Amazon RDS
- Mysql
- Postgres
 - ▶ Amazon Dynamo DB
- Cloud Storage with AWS
 - ▶ AWS S3
 - ▶ AWS Elastic Block Storage
- Cloud Security , Identity and Access management with AWS
 - ▶ AWS identity and access management(IAM)
 - ▶ AWS Cognito
- AWS Management tools and Services
 - ▶ AWS Cloud Watch
 - ▶ AWS Cloud Trail
 - ▶ AWS CloudFormation
- Simple Notification Service (SNS)

Services in Details

- Elastic Compute Cloud (EC2)**
 - Amazon Machine Images (AMI)
 - Setting up security
 - Finding the right AMI
 - Launching an instance - How to choose the right instance size
 - Security via Key Pairs
 - Working with the Security Group
 - Assigning Elastic IPs
 - Logging into the instance

AWS Elastic Container AWS Lambda

- Introduction
- Lambda functions for instance handling(start and stop).
- Lambda functions for RDS handling(start and stop).

AWS Cognito Amazon Virtual Private Cloud (VPC)

- VPC Essentials
- Building A Non-Default VPC
- VPC Networking
- VPC Security
- Configuring A NAT Instance
- DB Subnet Groups
- Elastic IP Addresses And Elastic Network Interfaces
- Configuring A Web Application in VPC.

Amazon Simple Storage Service (S3)

- Creating and deleting buckets
- Adding objects to buckets
- Getting objects
- Deleting objects
- Amazon Glacier

AWS Dynamo DB

- Create Database
- Create Tables
- Backups of tables

SANBAIS TECHNICAL SERVICES

Other AWS Services Overview

- Storage Gateway Overview
- Direct Connect
- Simple Email Service (SES)
- Cloud Formation

Ec2 instances types

- On-demand instances
- Spot instances
- Reserved instances
- EC2 Reserved Instance Marketplace

Working with AMIs

- Choosing the right AMI
- Community AMIs
- Creating your own AMI
- Deciding what goes into an AMI

AWS Identity and Access Management

- Create Manage Users
- Attaching policy
- Roles

Elastic Load Balancer

- Launch ELB
- Manage security group
- Attach instance to ELB

Route53 Service

- Amazon Elastic Block Store (EBS)**
 - Creating and deleting volumes
 - Attaching and detaching volumes
 - Mounting and unmounting the attached volume
 - Creating snapshots

Relational Database Service(RDS)

- Selecting the Engine
- Configuring the Database Engine
- Creating your Database
- Setting up automatic backups
- Authorizing access to the DB via DB Security Groups

Monitoring with Cloud watch and Cloud Trail

- Debugging cloud related issues
- Monitoring the AWS Service Health Dashboard
- Using Cloudwatch for Monitoring
- Setting up your metrics
- Setting up notifications



**CONCEPT
LEARNING
CENTRE**

Learning beyond the concepts

**KARVE NAGAR
9764500015**

**HURRY UP
LIMITED SEATS**